

Laser Ranging Ground System

- **Progress**
 - **Began preparations for visual testing of the mount pointing using the FDF predictions. Met with FDF who will provide us with images of the ground track (using STK software). Took some sample lunar images through our star camera with its 2 arcmin FOV on 3/21 while following the FDF simulated LRO predictions.**
 - **I/O chassis and upgraded optics ready to go, but still not in system.**
 - **First ground calibration and system delay calculation with LRO laser was taken two weeks ago. System delay is consistent with that of eyesafe laser. Have successfully tracked multiple LEO satellites, LAGEOS, ETALON and GLONASS with LRO laser from NGSLR.**
 - **Full time operator has been hired and will be onboard by mid April to begin training. HTSI is looking to hire a 2nd operator to back-fill MOB-7. Maceo Blount (current operator of MOB-7) will then move to NGSLR. He started OJT last week by working with us Thursday night.**
 - **Code 250 has inspected and approved ranging from NGSLR with the 28Hz, 50 mJoule laser when using the radar. We are currently using a mount observer.**
- **Issues & Risks**
 - **None.**